

**NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEW**

The drawing(s) filed (insert date) 10/26/98 are:

**28.1 REGULATIONS RELATING TO PATENTS**

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. **DRAWINGS.** 37 CFR 1.84(a). Acceptable categories of drawings: Black ink; Color; Blue or black ink on grid; yellow-green ink on blue. Words do not appear on a horizontal left-to-right fashion. Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_
2. **PHOTOGRAPHS.** 37 CFR 1.84 (b)
  - 1 full-tone set is required. Fig(s) \_\_\_\_\_
  - Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) \_\_\_\_\_
  - Poor quality (half-tone). Fig(s) \_\_\_\_\_
3. **TYPE OF PAPER.** 37 CFR 1.84(e)
  - Paper not flexible, strong, white, and durable. Handwritten before or after lines; numbers & letters not uniformly thick and well defined; clean, durable, and black (poor line quality).
  - Fig(s) \_\_\_\_\_
  - Erasures, alterations, overwritings, interlineations, folds; copy machine marks not accepted. Fig(s) \_\_\_\_\_
  - Mylar, velum paper is not acceptable (too thin); has tend to noise when reproduced. Fig(s) \_\_\_\_\_
  - Fig(s) \_\_\_\_\_
4. **SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:
  - 21.0 cm by 29.7 cm (DIN size A4)
  - 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
  - All drawing sheets not the same size. Sheet(s) \_\_\_\_\_
  - Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_
5. **MARGINS.** 37 CFR 1.84(g): Acceptable margins:
  - Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size
  - Top 2.5 cm Left 2.5cm Right 1.5cm Bottom 1.0 cm SIZE: 8 1/2 x 11
  - Margins not acceptable. Fig(s) \_\_\_\_\_
  - Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_ Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_
6. **VIEWS.** 37 CFR 1.84(h)
 

REMINDER: Specification may require revision to correspond to drawing changes.

  - Partial views. 37 CFR 1.84(h)(2)
    - Brackets needed to show figure as one entity. Fig(s) \_\_\_\_\_
    - Views not labeled separately or properly. Fig(s) \_\_\_\_\_
    - Enlarged view not labeled separately or properly. Fig(s) \_\_\_\_\_
  - SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
    - Hatching not indicated for sectional portions of an object. Fig(s) \_\_\_\_\_
    - Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_
7. **ARRANGEMENT OF VIEWS.** 37 CFR 1.84(j)
  - When page is either upright or turned so that the top side becomes the right side, except for graphs. Fig(s) \_\_\_\_\_
  - Pencil and non-black ink not permitted; Fig(s) \_\_\_\_\_
8. **CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)
  - Scale not large enough to show mechanism without excessive crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) \_\_\_\_\_
  - Fig(s) \_\_\_\_\_
9. **SHADING.** 37 CFR 1.84(m)
  - Shading is not uniform, solid, or flat. Fig(s) \_\_\_\_\_
  - Solid black areas pale. Fig(s) \_\_\_\_\_
  - Solid black shading not permitted. Fig(s) \_\_\_\_\_
10. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)
  - Numbers and reference characters not plain and legible. Fig(s) \_\_\_\_\_
  - Figure legends are poor. Fig(s) \_\_\_\_\_
  - Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_
  - English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_
  - Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) \_\_\_\_\_
  - Corrections not made from prior PTO-948 dated \_\_\_\_\_
11. **LEAD LINES.** 37 CFR 1.84(q)
  - Lead lines cross each other. Fig(s) \_\_\_\_\_
  - Lead lines missing. Fig(s) \_\_\_\_\_
12. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)
  - Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) \_\_\_\_\_
13. **NUMBERING OF VIEWS.** 37 CFR 1.84(u)
  - Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_
14. **CORRECTIONS.** 37 CFR 1.84(w)
  - Corrections not made from prior PTO-948 dated \_\_\_\_\_
15. **DESIGN DRAWINGS.** 37 CFR 1.152
  - Surface shading shown not appropriate. Fig(s) \_\_\_\_\_
  - Solid black shading not used for color contrast. Fig(s) \_\_\_\_\_

**COMMENTS**

\* REMOVE TITLE BLOCK.

REVIEWER: LAM DATE 04/02/99 TELEPHONE NO. (703)308-0366

ATTACHMENT TO PAPER NO. 5